

## ABSTRACT

The printer prints in logical-page units, and is capable of printing a plurality of logical pages on the same physical page when printing a plurality of logical pages on one physical page. This printer apparatus comprises: a mechanical controller for receiving printing commands and controls the printing engine that prints on the printing medium; and a printer controller for receiving printing instructions from the host to print in logical-page units and creating printing data. The printer controller calculates the total physical length of the logical-pages after creating the printing data, then references the physical length of one page of the printing medium, and depending on the results, sends a printing command and the printing data to the mechanical control unit, and also according to the reference results, controls the detection operation of the mechanical controller for detecting when there is no printing medium.